

प्रति To,
बीएसई लि . BSE Ltd.
फिरोज़ जीजीबॉय टावर्स
Phiroze Jeejeebhoy Towers
दलाल स्ट्रीट Dalal Street
मुंबई Mumbai – 400 001

भारत इलेक्ट्रॉनिक्स लिमिटेड

(भारत सरकार का उद्यम, रक्षा मंत्रालय)

पंजीकृत कार्यालय :

आउटर रिंग रोड, नागवारा, बेंगलूर - 560 045, भारत

Bharat Electronics Limited

(Govt. of India Enterprise, Ministry of Defence)

Registered Office : Outer Ring Road,
Nagavara, Bangalore - 560 045, INDIA.

CIN : L32309KA1954GOI000787

टेलीफैक्स/Telefax : +91 (80) 25039266

ई-मेल/E-mail : secretary@bel.co.in

वेब/Web : www.bel-india.com

सं .No. 17565/4/SE/MUMC/SEC
दिनांक / Date: 17.09.2019

महोदय / महोदया ,
Dear Sir/Madam,

विषय : 16 सितंबर, 2019 को विश्लेषकों की बैठक में दी गई प्रस्तुति ।

Sub: Presentations Made at Analysts Meet held on 16th September, 2019.

हमारे पूर्व पत्र दिनांक 22 सितंबर, 2019 के क्रम में, कृपया 16 सितंबर, 2019 को आयोजित विश्लेषकों की बैठक में दी गई प्रस्तुति की प्रतिलिपि इसके साथ संलग्न पाएं। सेबी (एलओडीआर) विनियम, 2015 के प्रावधानों के अनुसार कंपनी की वेबसाइट पर भी इसे दिया गया है।

In continuation to our earlier letter dated 22nd September, 2019, please find enclosed herewith copy of the presentation made at Analysts Meet held on 16th September, 2019. The same is also being put on Company's website as per the provisions of the SEBI (LODR) Regulations, 2015.

सूचना व अभिलेख हेतु।

This is for your information and record.

सधन्यवाद / Thanking you,

भवदीय Yours faithfully,

कृते भारत इलेक्ट्रॉनिक्स लिमिटेड
For Bharat Electronics Limited


एस श्रीनिवास **S Sreenivas**
कंपनी सचिव **Company Secretary**



संलग्न- उपरोक्तानुसार Encl: As stated above.



Analyst Meet - 2019
Bharat Electronics Limited

16th Sep, 2019

Overview

Navratna PSU

- Established in 1954 under MoD
- R&D / Technology driven Company operating in competitive Defence Electronics area
- Manpower: 9612 Employees (as on 31.03.2019)

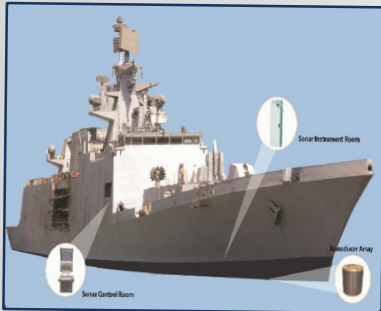
Subsidiary & JVs

- **BEL Optronics Devices Ltd**
 - Night Vision Image Intensifier tubes
- **GE BE Pvt Ltd**
 - Medical Electronics Parts, X-Ray Tubes
- **BEL Thales Systems Ltd**
 - Civil ATM and select Defence Radars

Manufacturing Network



Business Segments



1. Radar
2. Missile System
3. Communication
4. Electronic Warfare & Avionics
5. Network Centric Systems
6. Anti submarine Warfare
7. Electro-Optics
8. Tank Electronics
8. Home Land Security
10. Civilian Products

Multi product, Multi technology company – Diverse product range

Research & Development (R&D)

- 47% Engineering Manpower deployed in R&D
- R&D investment: Rs. 1077 Crs during 2018-19
- CMMi Level-5 Certification for Software development
- Largest Production Partner of DRDO
- Patents Application Filed – 285, Patents Granted - 08

Central Research Labs (2 Centers)

Blue Sky Research (Futuristic Technologies)
(Radio Frequency & Microwave; Embedded Computing System; Radar Signal Processing; Communication (Software Defined Radio & Wireless); Network Centric Software; Sensor Signal Processing; Very Large Scale Integration, Smart Computing System; Networking; Sensor Data Fusion;

Central Design Group and Product Development & Innovation Center (2 Centers)

Core Technology Module development Groups
(Defence Software; Encryption; Radio Frequency; Microwave; Radar Signal Processing; Power Supply; Control Electronics, Embedded System; Computing Elements; Electro Optics, Communications)

Development & Engineering Groups (22 Centers)

Products & Systems development

R&D Investment

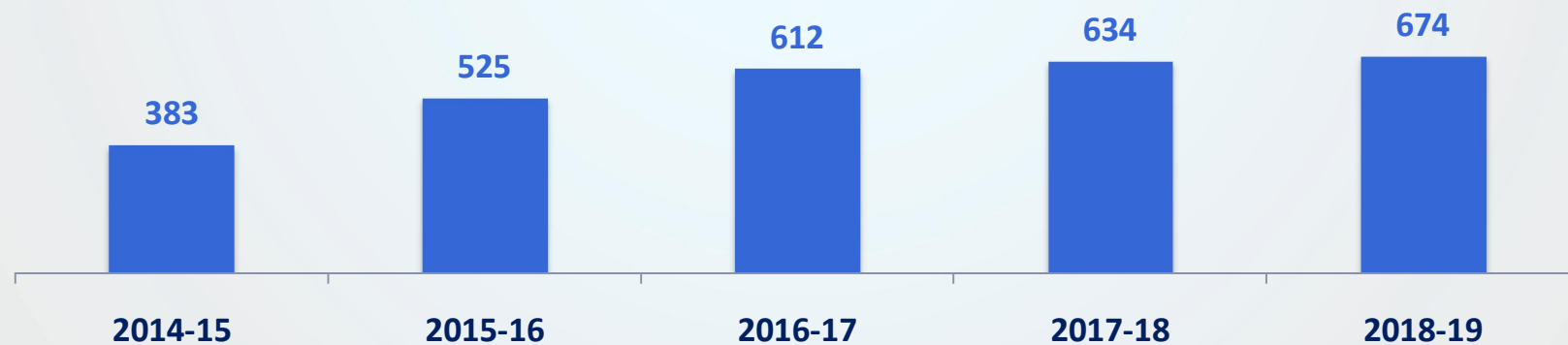
Value in Rs Crores



Expansion & Modernization

World Class Manufacturing & Test Facilities

- | | | | |
|---|---|---|--|
| 1 | Super Components Facility | 5 | High Roof hangar for Radar & Antenna Integration |
| 2 | Test set up for missile system | 6 | Modern Production setup for Airborne applications |
| 3 | Secured manufacturing facility for EVM/ VVPAT | 7 | Near Field Test Range and EMI/EMC Test Facility |
| 4 | Antenna test range facility | 8 | New factories planned at Devanahalli & Machilipatnam |



Exports



- **Dedicated Business Unit & Marketing Group for Exports**
- **Achieved USD 21.6 Million during 18-19**
- **Export Initiatives:**
 - Strategic alliances with global OEMs (Elbit, IAI, Thales, SAAB) for joint development / co-production
 - Focus on SE Asian Countries for Comn, Sonars and Coastal Security solutions
 - Established Marketing offices in Vietnam, Myanmar, Sri Lanka, Oman, USA and Singapore.

- **Major products exported:**
 - Coastal Surveillance System, CoMPASS, Advanced Composite Communication System, Electro Mechanical parts etc.
- **Major countries:**
 - USA, UK, Russia, Italy, Myanmar, Brazil, Germany, France, Israel, Indonesia, Honduras, Malaysia, Maldives, Mauritius, Namibia, Seychelles, South Africa

Major Orders Executed in 2018-19



Major Orders Executed in 2018-19



Weapon Locating Radar

Ground based Mobile Electronic Intelligence System



Low Intensity Conflict Electronic Warfare System (LIC EWS)

Major Orders Executed in 2018-19



Schilka Upgrade



TROPO Upgrade

L70 Gun Upgrade



New Products Introduced in 2018-19

- Real Time Information System for Indian Railways
- Auto Fare Collection Gate (SWAGAT)
- Drone Guard System
- EO System for Home Land Security
- Integrated Communication System for Indian Navy
- Coastal Surveillance System for Seychelles
- Fire Control System
- Image Intensifier based Passive Night Vision Devices
- Indigenous Electronic upgrade for 52 Calibre Gun

New Products Introduced in 2018-19

- Corner Shot Weapon System
- Target Acquisition System for Man Portable Anti-Tank Guided Missile (MPATGM)
- IFF System for MRSAM Phase II
- Virtual Reality Simulator
- Electric motor for T-90 Tank Stabilizer
- Battery Multi-Function Radar vehicle and Battery Surveillance Radar Vehicle for Missile System
- Ku Band RF Seeker

Major Orders Received during 2018-19

- Long Range Surface to Air Missile for P17A
- Smart City Business - North East States & Agra, Integrated perimeter Security System (IPSS) for Air Force, Kerala Fibre Optic Network (K-Fon)
- Home Land Security System (Naval Airfield Integrated Security System (NAISS))
- Naval Equipments (War Reserves)
- Setting up of Weapon Repair Facility at Naval Shipyard
- Upgradation of Shikari/Lynx Fire Control systems

Orders Received current year is around Rs. 9000 Cr, including Akash Order of Rs. 5350 Cr.. The current Order Book is around Rs. 57600 Cr..

Major Projects planned during 2019-20

- Integrated Air Command & Control System
- LRSAM (Long Range Surface to Air Missile)
- Smart City Business
- Upgrade of Communication Equipment
- Ground Based Mobile Electronic Intelligence System
- Naval Equipment
- Radars
- Avionics Package for LCA
- Low Intensity Conflict Electronic Warfare System
- Delhi CCTV

Business Initiatives

- Expansion of geo-spatial reach, full scale operationalization of Overseas Marketing Offices in Vietnam, Myanmar, Sri Lanka and Oman. Singapore and New York offices expanded with marketing cell.
- Regional Product Support Centers made operational at Ten new locations.
- BEL acquired land for diversification in Bengaluru, Bhatinda & Jodhpur.
- MoUs signed with potential Strategic Partners for Platforms (L&T, Adani, Mahindra Defence, Bharat Forge)
- Dedicated Business verticals for RF Seekers, Software as a Service.
- Make-II implementation in BEL Purchase Procedure.

Business Initiatives

- BEL-Bengaluru received prestigious “Business Excellence Award” and “Role Model Organization” recognition from jury of CII EXIM Bank Award for Business Excellence. Other BEL Units, namely Ghaziabad, Chennai and Machilipatnam received Platinum level recognition.
- Three of our Units bagged the CII TCM awards
- Product Development & Innovation Centre became operational.
- Engagement with Start-ups for emerging/disruptive technologies.
- Operationalization of Defence Innovation Organization (DIO); a Section-8 company jointly created by BEL & HAL.
- Green Channel Certification from DGQA for Radar Spares.
- Operationalization of BEL Academy for Excellence (Nalanda).

'Make in India' Initiatives

- BEL is focusing more on core areas and R&D to retain IP, all non-core areas are being outsourced to Indian Industries including MSMEs
- Outsourcing and Vendor Development Policy has been released
- Make-II Procedure has been implemented with effect from 27.08.2019
- “Make in India” Display Cells established in all Units of BEL
- Nodal officers for Outsourcing & Vendor development nominated
- Complied with Public Procurement Policy
- BEL's Test facilities are being provided to Private vendors



Outlook for the Future

- BEL to focus on in-house R&D for increased value addition.
- Thrust on Exports by expanding geo-spatial reach & partnerships.
- Diversify in non-defence opportunities to drive BEL's growth.
- Focus areas: Space Electronics, Solar, Homeland Security, Smart Cards , Telecom, Railways, Civil Aviation, Software as a Service, Fuel Cells, Li-ion Batteries.
- Creation of Centres of Excellence (CoE) in R&D & Innovation Cell in IITM.
- Operationalization of new plants at Nimmaluru for advanced Electro-Optics and Anantapur for Missile & Seeker businesses.
- Focus on Artificial Intelligence based projects and Indigenization.

Thank You



ANALYSTS MEET-2019

16th September, 2019

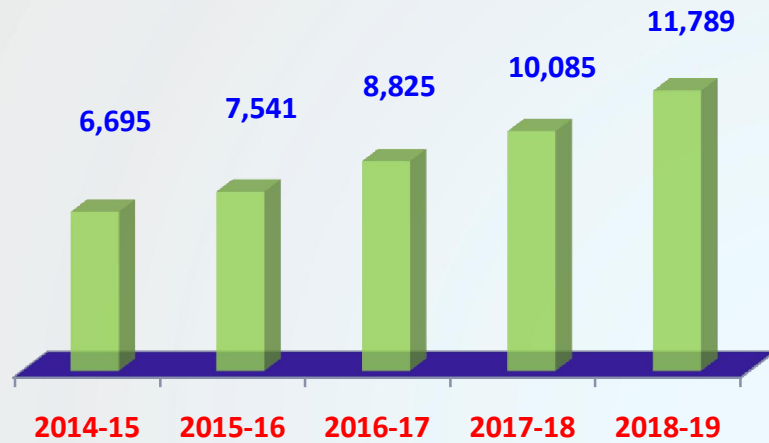
Financial Highlights 2018-19

- Turnover has increased from ₹ 10084.84 Crores in 2017-18 to ₹ 11789.22 Crores in 2018-19, a growth of 16.90%.
- Profit Before Tax (PBT) has Increased from ₹ 1947.84 Crores in 2017-18 to ₹ 2703.19 Crores in 2018-19, an increase of 38.78%.
- Profit After Tax (PAT) has Increased from ₹ 1399.29 Crores in 2017-18 to ₹ 1927.29 Crores in 2018-19, an increase of 37.73%.
- PBT to Turnover Ratio has Increased from 19.31 % in 2017-18 to 22.93 % in 2018-19.
- Earning Per Share (EPS) has increased from ₹ 5.70 in 2017-18 to ₹ 7.91 in 2018-19.

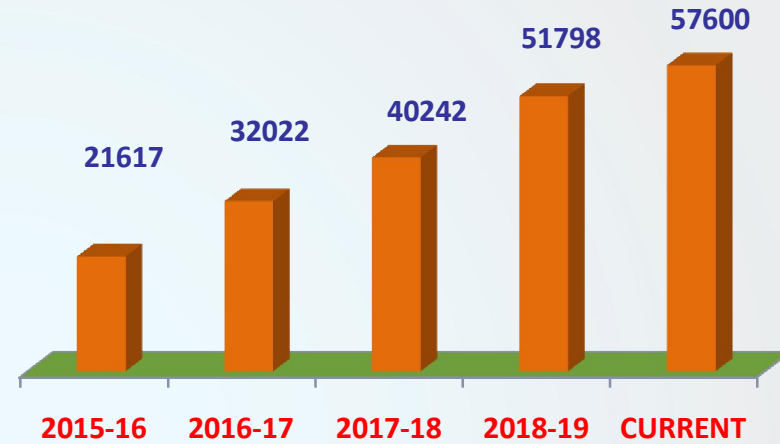
Financial Highlights 2018-19

- Total dividend payout of ₹ 3.40 per share against ₹ 2.00 per share for 2018-19. The total dividend outlay for 2018-19 is ₹ 828.44 Crores (including Dividend distribution tax ₹ 998.72 Crores).
- Book Value Per Share has Increased from ₹ 31.85 in 2017-18 to ₹ 37.01 in 2018-19.
- Net worth has Increased from ₹ 7761.01 Crores in 2017-18 to ₹ 9018.9 Crores in 2018-19.
- Highest Capital Expenditure amounting to ₹ 673.59 Crores in 2018-19.
- R&D expenditure was 9.14 % of Turnover during the year 2018-19 against 9.79 % of previous year.

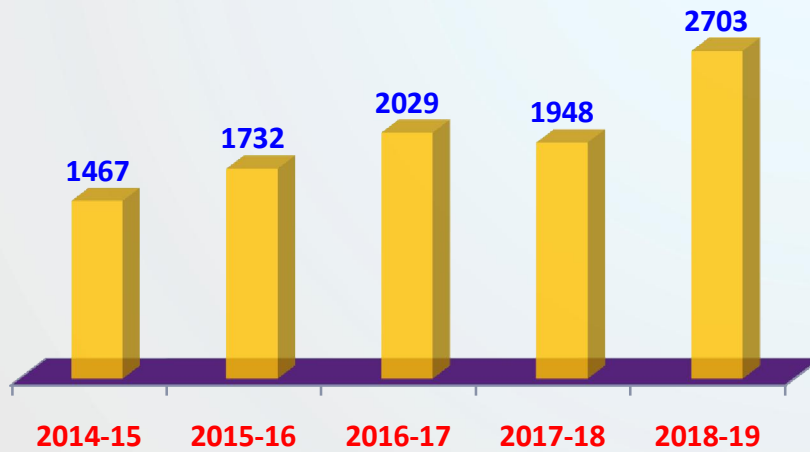
GROSS TURNOVER (₹ in Crores)



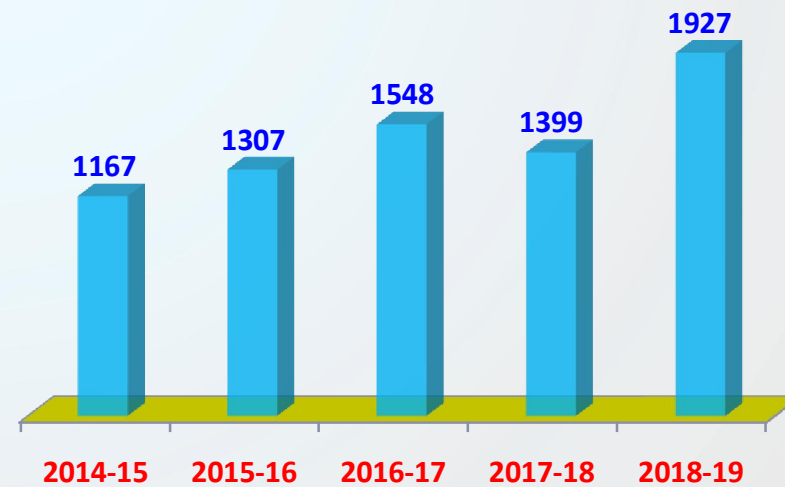
ORDERS ON HAND (as on 31st March) (₹ in Crores)



PROFIT BEFORE TAX (PBT) (₹ in Crores)

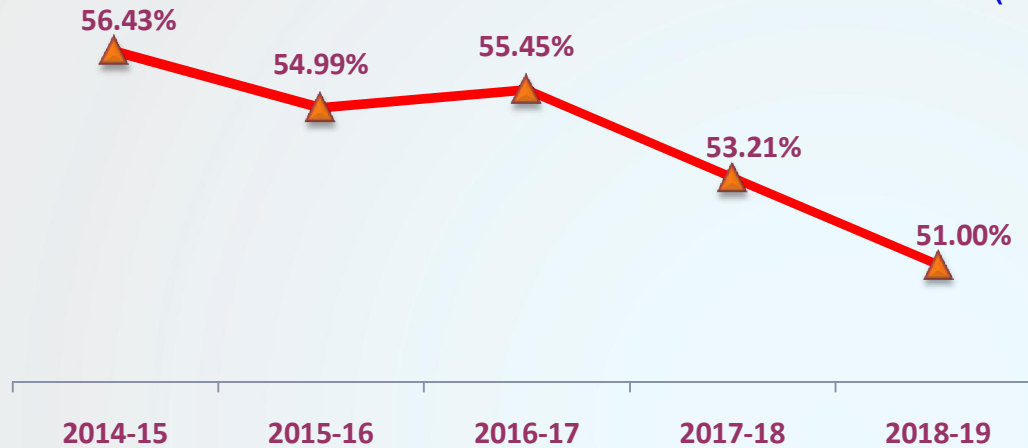


PROFIT AFTER TAX (PAT) (₹ in Crores)

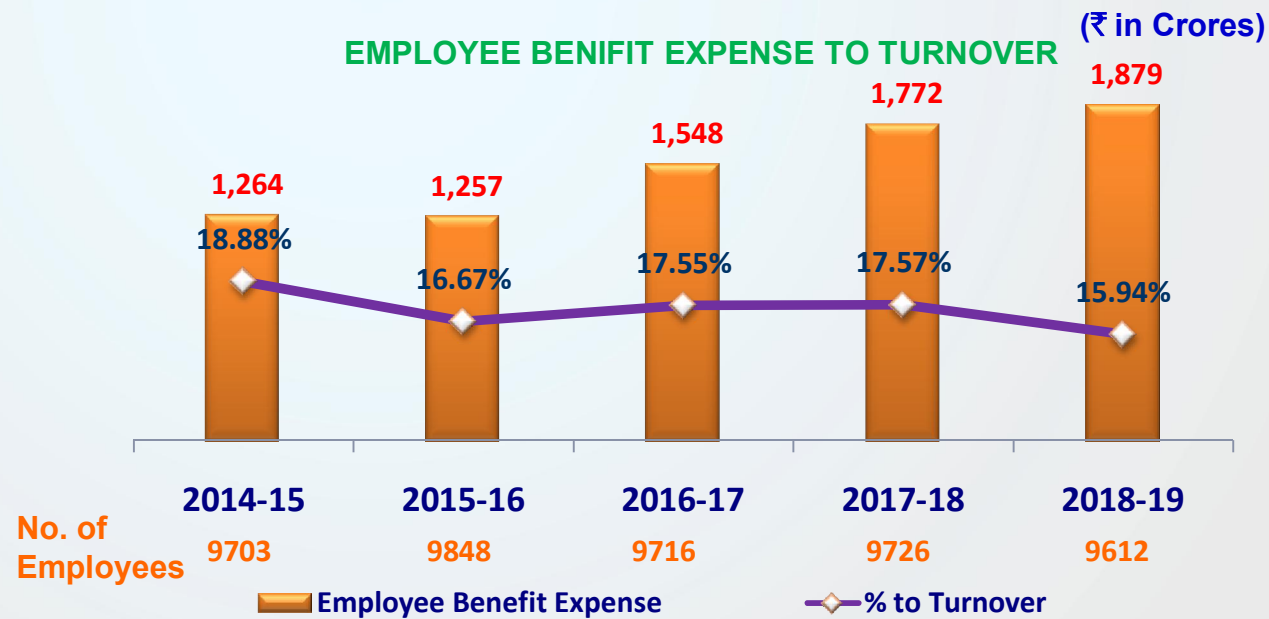


MATERIAL CONSUMPTION TO VOP

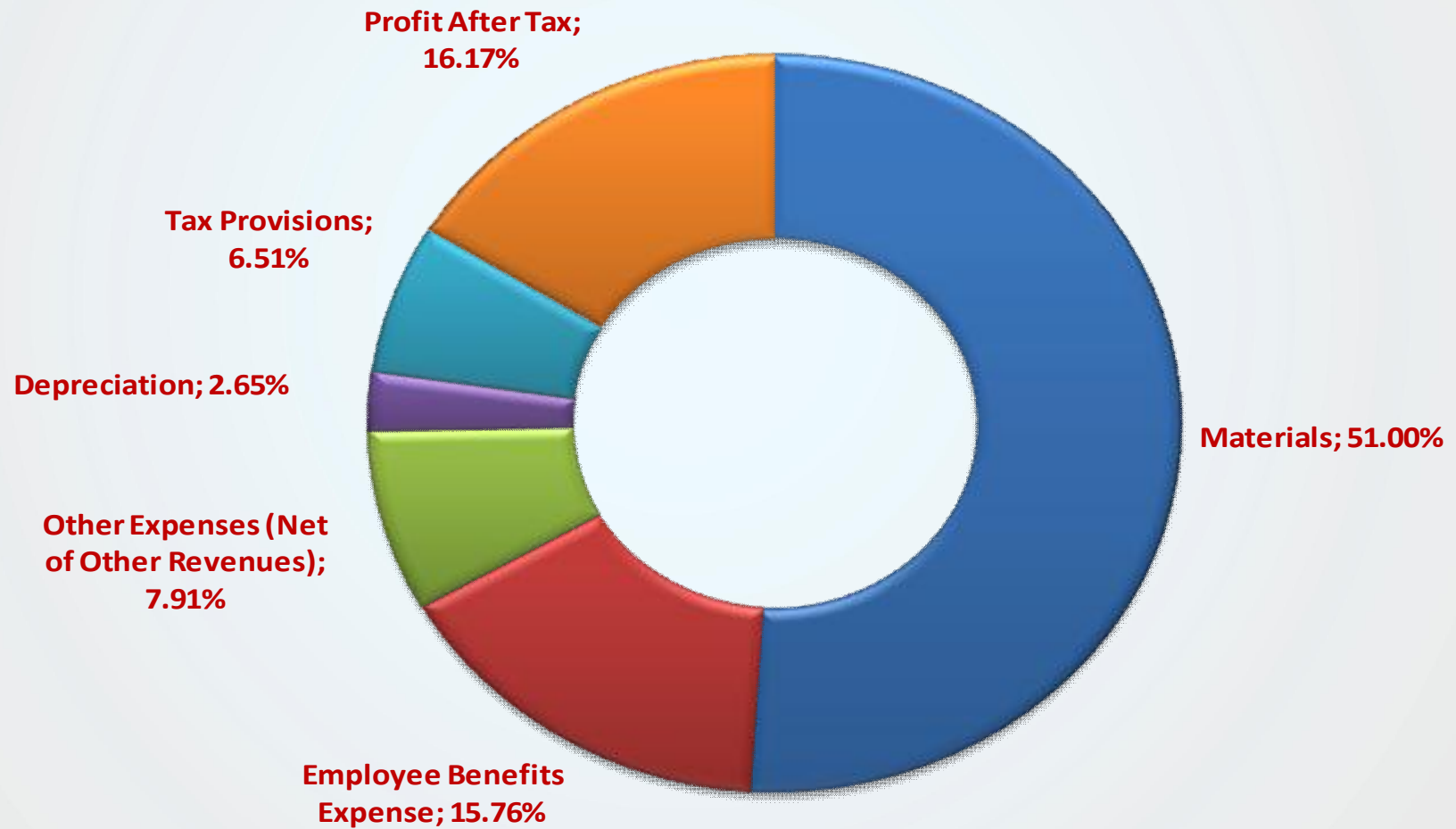
(In %)



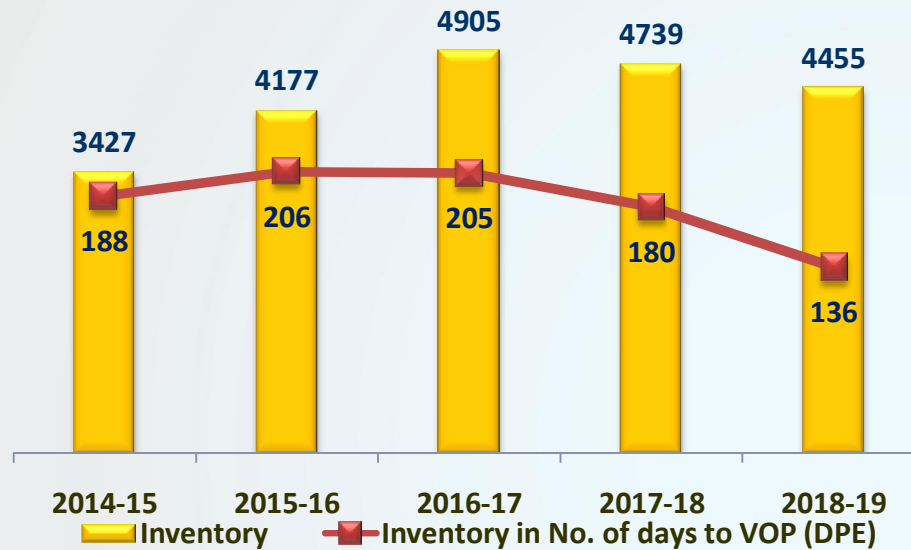
EMPLOYEE BENEFIT EXPENSE TO TURNOVER (₹ in Crores)



2018-19 HOW A RUPEE EARNED IS DISTRIBUTED

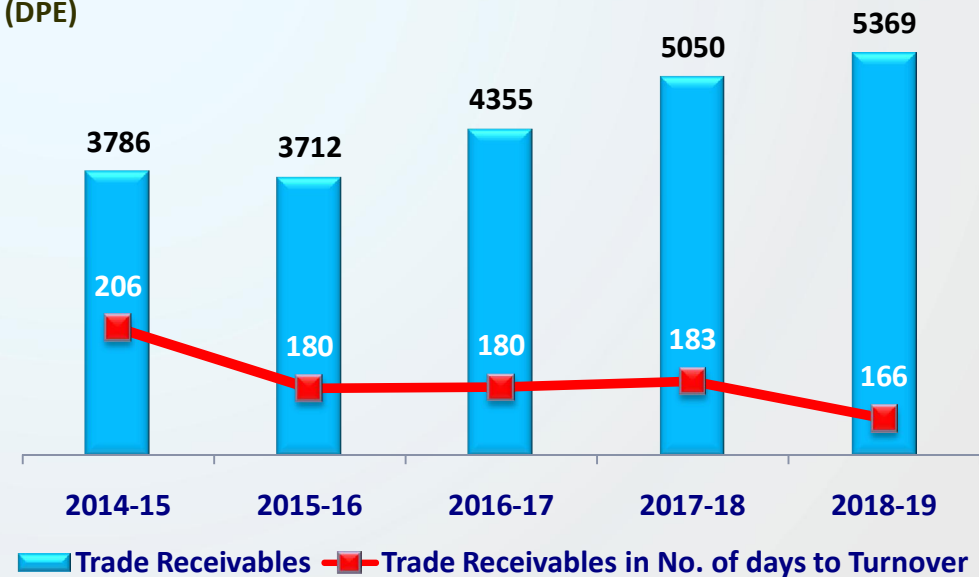


INVENTORY TO VOP (₹ in Crores)



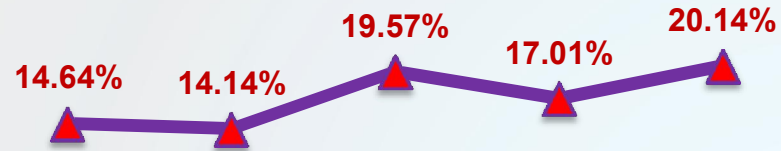
VoP = Net turnover - Changes in Inventories of FG, WIP & Scrap

TRADE RECEIVABLES TO SALES (₹ in Crores)



RETURN ON CAPITAL EMPLOYED

(in %)



2014-15 2015-16 2016-17 2017-18 2018-19

RETURN ON EQUITY

(in %)



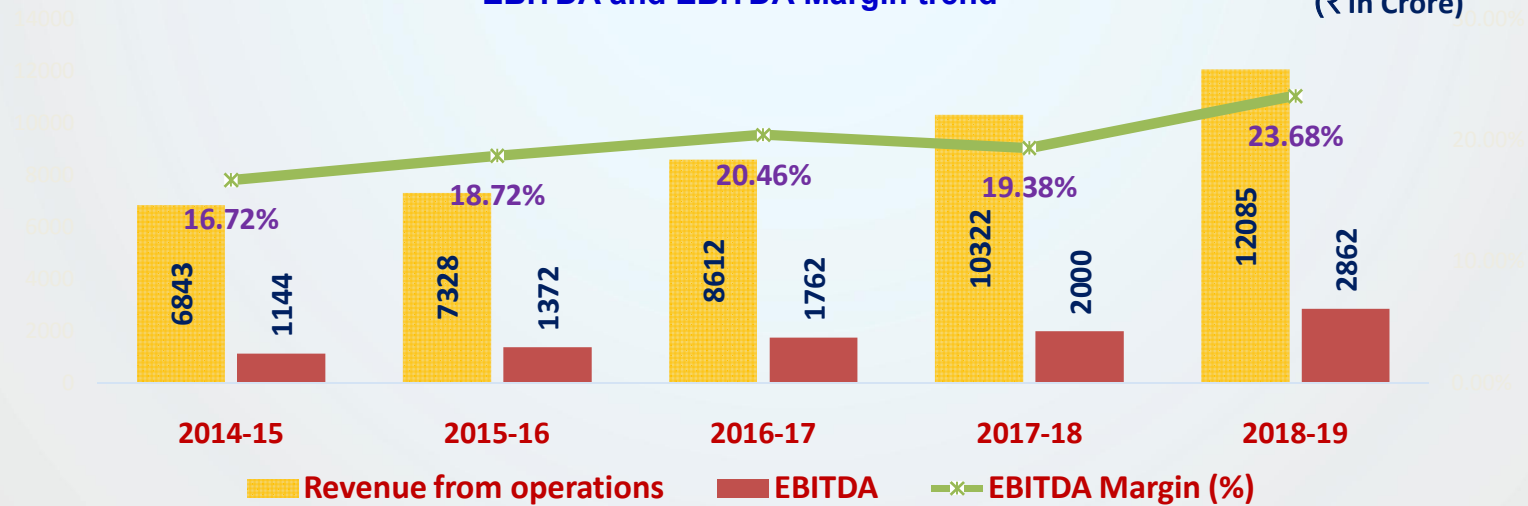
2014-15 2015-16 2016-17 2017-18 2018-19

Return on Capital Employed = PAT / Capital Employed

Return on Equity = Profit After Tax / Net Worth

EBITDA and EBITDA Margin trend

(₹ In Crore)



EARNING PER SHARE (EPS) (in ₹)



CASH EARNING PER SHARE (in ₹)

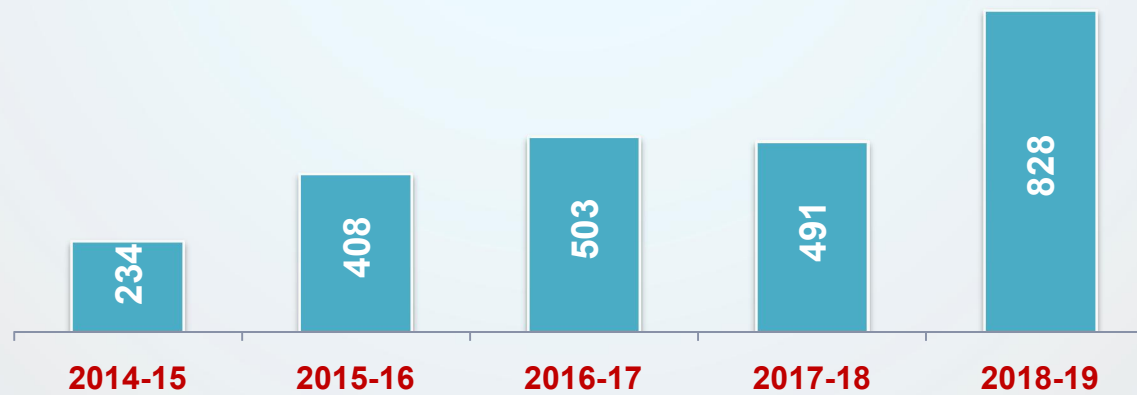


2014-15 2015-16 2016-17 2017-18 2018-19

2014-15 2015-16 2016-17 2017-18 2018-19

Cash Earning Per Share = (PAT + Depreciation) / No. of Shares

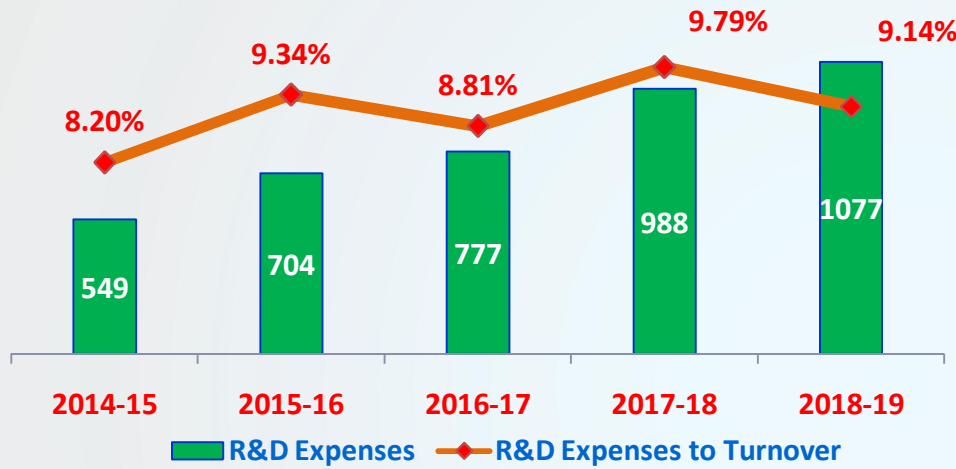
DIVIDEND DISTRIBUTION (₹ in Crores)



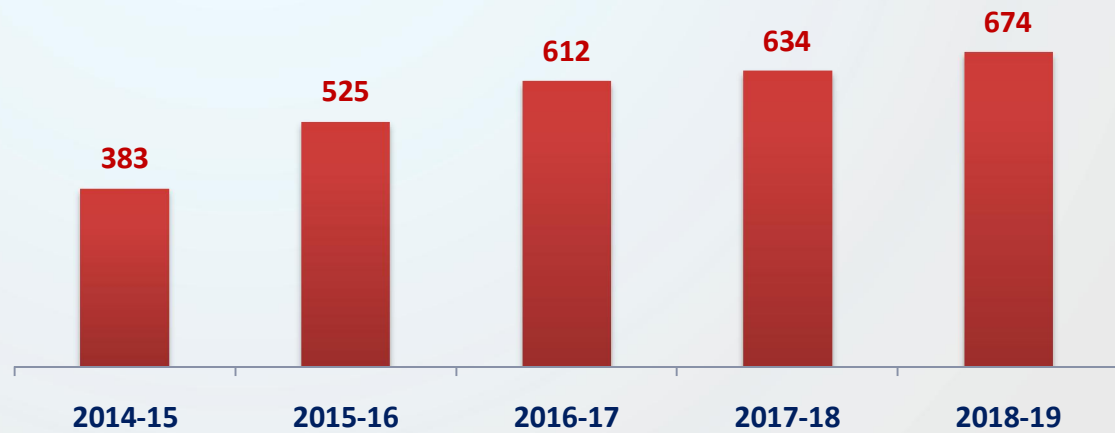
2014-15 2015-16 2016-17 2017-18 2018-19

Note: Excludes Dividend Tax

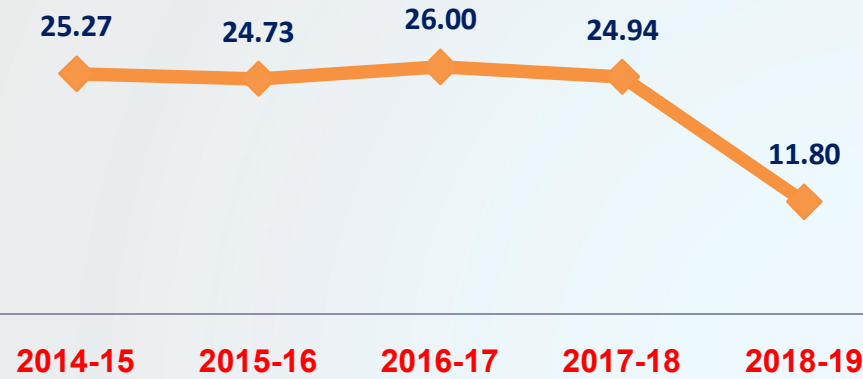
R&D EXPENSES TO TURNOVER (₹ in Crores)



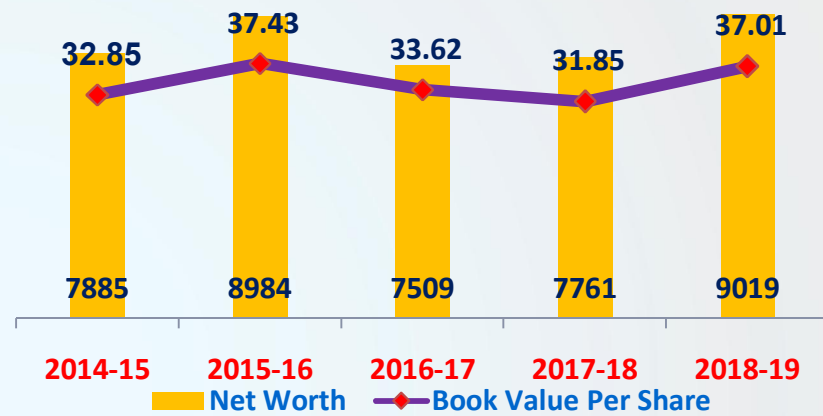
CAPEX (₹ In Crore)



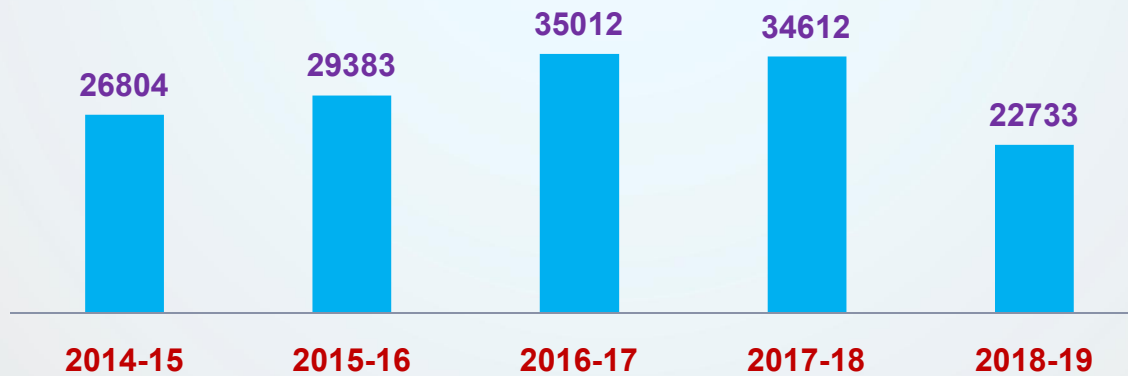
PRICE EARNING RATIO (in %)



BOOK VALUE PER SHARE (₹ in Crores)

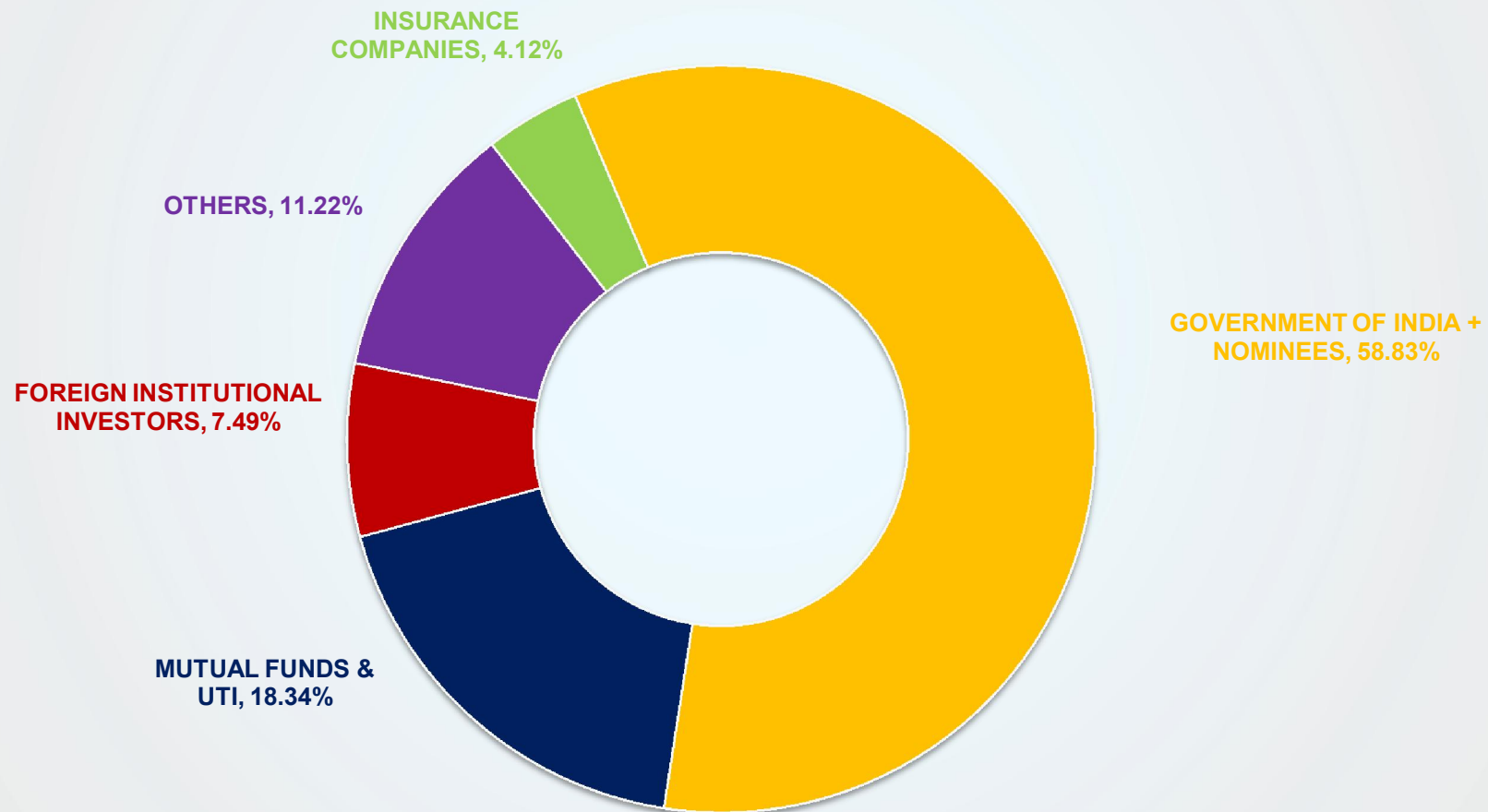


MARKET CAPITALISATION (₹ In Crores)



Based on year end closing price of NSE

SHARE HOLDING PATTERN AS ON 31.03.19



Others includes: Corporate Bodies(2.75%),NRI's(.58%) ,Banks & FI's(.41%)

QUARTERLY PERFORMANCE

Financial Highlights for 1st Quarter 2019-20

(₹ in Crores)

Particulars	2019-20	2018-19
Total Income from Operation (Net)	2041.98	2077.84
Profit for the period before tax (PBT)	290.39	250.21
Profit for the period after tax (PAT)	204.73	179.73
Earning Per Share (EPS in ₹)	0.84	0.74

Thank You